# 98-1 OIRG-MTF VTC

17 April 1998

# CCB/TRP UPDATE

## (Briefing Item)

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# Issues Discussed at 98-2 CCB/TRP (Briefing Item)

- Y2K Discussion
  - SCC directed 4 digit year throughout M-S-6040
  - All Services agreed that this was the wrong decision
  - All systems must document through NCTSI their inability to use 4 digit date
  - Look for message from CNO N62

# Issues Discussed at 98-2 CCB/TRP (Briefing Item)

- Automated CM
  - JIEO is close to purchasing IRIS DEF
  - All C/S/As will have to change CM to remain compliant
  - See A.I. 98-002
- Army Way Ahead
  - USA has initiated efforts to eliminate Army Unique Message Standards and Messages
  - USA wants to harmonize data elements between J-Series, K-Series, and USMTF

# Issues Discussed at 98-2 CCB/TRP (Briefing Item)

- DII COE MP WG Update
  - Mr. Win Parks has resigned as chair of the WG
  - DII COE MP has undergone Joint Testing as of 2 April
  - Unknown when S/W will be available to fleet.
  -

# Issues Discussed at 98-1 CCB/TRP (Briefing Item)

- JIEO Center For Standards New head
  - Mr. Thoma, prior experience with USN Subs
- U.K. Versioning
  - Structure (After REF Set)
    - VERIDENT/ADATP-3/NATO/10.01.10//
  - U.S. not in favor of concept
  - To be decided at MTFWG in Jan

# Issues Discussed at 98-1 CCB/TRP (Briefing Item)

- USMTF IDH
  - C/S/As agree in principle
  - Movement is slow, Navy in lead
  - MIGT
- Training
  - Major problem still is lack of Automated Message prep tool

# Issues Discussed at 98-1 CCB/TRP (Briefing Item)

- DII COE MP S/W
  - Funding for Widows 3.1 version of JMPS cut
  - No joint/Navy Auto Msg Prep S/W
  - Options
    - Continue to fund JMPS
    - Purchase IRIS MFS ($4.8M)
    - Fund MTF Editor for Windows ($150K)

# Issues Discussed at 98-1 CCB/TRP (Briefing Item)

- USMTF Electronic CM
  - IOT make process more efficient must go electronic
  - Tool under development by JIEO is MDDB
  - Tool available and in use by NATO is IRIS Def
  - C/S/As agree that IRIS Def is the right choice
  - More to come . . .

# Issues Discussed at 98-1 CCB/TRP (Briefing Item)

- ADatP-3/USMTF Harmonization
- USMTF Management Plan
  - Similar to JTDLMP
  - Published direction of the USMTF community
- Shift to MS Word
  - All correspondence and ICPs in the future will be in Word

# SYMBOLOGY UPDATE

## MIL-STD-2525A
## (Briefing Item)

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# SYMBOLOGY ISSUES
## (Briefing)

* MIL-STD-2525B scheduled for release July 1998.

* UNK/UNK Presentation - U/U symbol approved for incorporation in Rev B.

* Next meeting scheduled for 04 June 1998.

# BATTLE DIMENSION "UNKNOWN" (Briefing)

* Navy Operational environment samples average 30% category "UNKNOWN" tracks.

* ELINT reports frequently reflected as category "UNKNOWN".

* Lack of ability to reflect "UNKNOWN" battle dimension/category will be misleading/confusing.

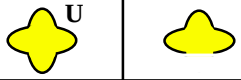
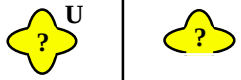
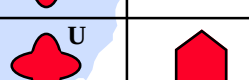
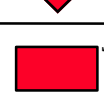
# UNKNOWN AFFILIATION PROPOSAL

## (Briefing)

- **Use APPROVED symbol for UNKNOWN**
- **Use APPROVED color scheme for AFFILIATIONS**
- **Adjust affiliation SYMBOLS to differentiate between Friend/Assumed Friend, and Hostile/Suspect**
- **Propose using "?" for affiliation whose threat is not confirmed**

# PROPOSED CHANGES TO TABLE I (Briefing)

## TABLE I. Affiliations and Battle Dimensions

| BATTLE DIMENSION / AFFILIATION | Unknown (Z) | Space (P) | Air (A) | Land (G) UNITS | Land (G) EQUIPMENT | Sea Surface (S) | Subsurface (U) | SOF (F) | Other (No Frame) (X) |
|---|---|---|---|---|---|---|---|---|---|
| UNKNOWN (YELLOW) |  |  | | | | | | | N/A |
| PENDING (YELLOW) |  |  | | | | | | | N/A |
| ASSUMED FRIEND (CYAN) | |  | | | | | | | N/A |
| FRIEND (CYAN) | |  | | | | | | | N/A |
| NEUTRAL (GREEN) | |  | | | | | | | N/A |
| SUSPECT (RED) | |  | | | | | | | N/A |
| HOSTILE (RED) |  |  | | | | | | | N/A |
| JOKER (RED) | N/A | | | | | | |  | N/A |
| FAKER (RED) | N/A | | | | | | | | N/A |

Live Training - Real world friendly track during a training track
Simulated - Manually created track/computed track generated as part of a training scenario

# STATUS OF NWPs

**(Briefing)**

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# NWP's
## (Briefing)

- NAVPUB 018/97 cancelled the following NWPs:

| | | |
|---|---|---|
| NWP 1-03 | NWP 1-03.34 | NWP 1-03.37 (I) |
| NWP 1-03.19 | NWP 1-03.35 | NWP 1-03.37 (II) |
| NWP 1-03.33 | NWP 1-03.36 | NWP 1-03.40 |

- Current NWPs

NWP 1-03.1 Operational Reports (Former NWP 10-1-10)

NWP 1-03.3 SORTS (Former NWP 10-1-11)

NWP 1-03.41 Classified Supplement to UF 3.0 CD-ROM (Trademark Data) (Former NWP 10-1-12 Supp 1)

# NWP's
## (Briefing)

- Time Line for NWP release (Cont)

NWP 1-03.1 (Operational Reports)

24 NOV- Second draft of NWP 1-03.1 on Web and paper copy mailed to CRAs and CCs

07 MAR - Comments from CRAs and CCs due back to NCTSI

20 APR - Second NWP Conference at Pentagon

MAY - NCTSI forwards final version to CNO for signature and forwarding to NDC

AUG - NDC prints and distributes publication to fleet

LATE FALL - Navy wide shift to new CASREP and MOVEREP

# NWP's
## (Briefing)

- Time Line for NWP release
  - NWP 1-03.3 (SORTS)

24 OCT - Second draft of NWP 1-03.3 on Web and paper copy mailed to CRAs and CCs

14 MAR - Comments from CRAs and CCs due back to NCTSI

20 APR - Second NWP Conference at Pentagon

MAY - NCTSI forwards final version to CNO for signature and forwarding to NDC

AUG - NDC prints and distributes publication to fleet

LATE FALL - Navy wide shift to new SORTSREPNV

# NWP's
## (Briefing)

- Impact of Release of New NWPs
  - **Training**
    - Currently there is no tangible plan from N312 to train personnel on the new message formats.
    - Possible Joint Staff traveling training team
    -
  - **Message Editor**
    - There is no message editor that will automatically prompt message drafters through the new message formats.

# ADatP-3 / USMTF Harmonization Tiger Team Overview

## (Briefing)

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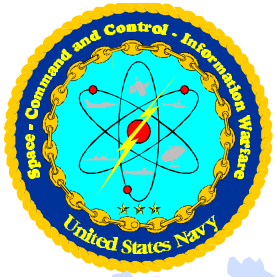


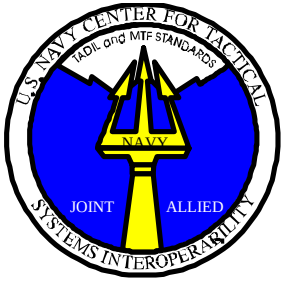


# OTG Migration Update

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# ICP STATUS

| | |
|---|---|
| **56** | IERs Identified |
| **41** | IPT IER Development Complete |
| **18** | ICPs Through VMF SG |
| **16** | ICPs Through CCB |
| **12** | IER Development Cancelled/Indefinite Hold |

- Estimated completion: Summer 98
- Currently working Track Mgmt DB and Visual Event issues

# Communications Protocol

**GOAL:**

To find the most cost effective and efficient communications protocol in which to transport the new VMF messages from system to system.

# Communications Protocol

**Two Steps:**

1. Transportation

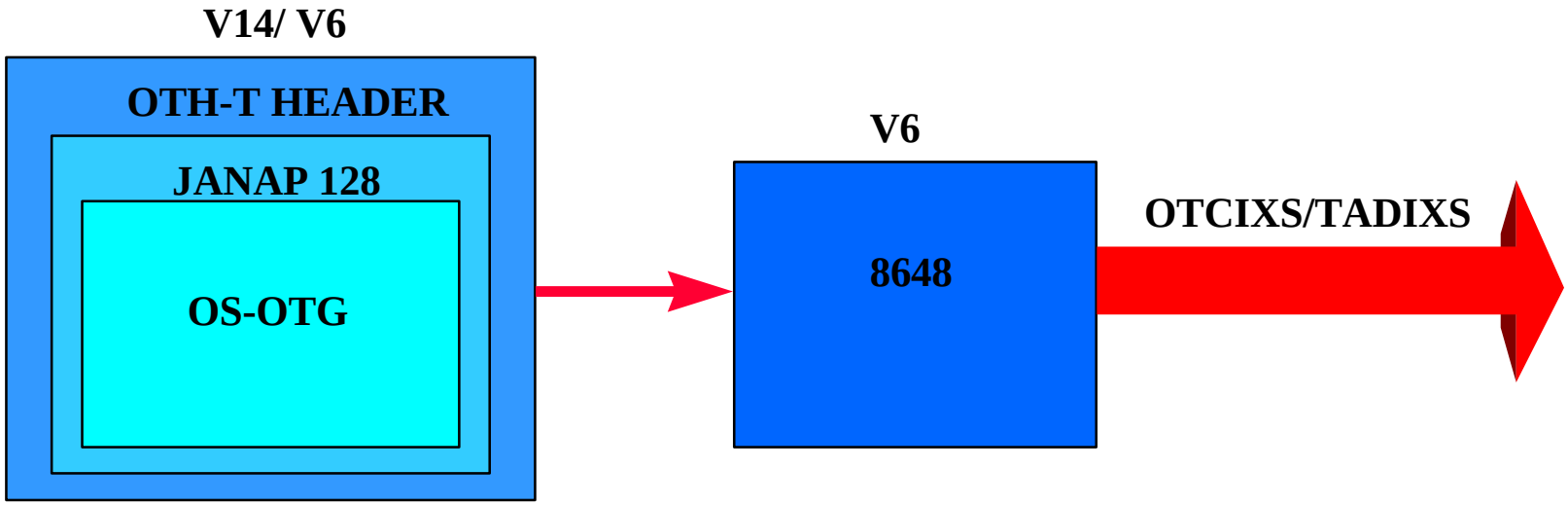
   Options:

   a. Retain IDS 8648/OTCIXS architecture
   b. Utilize MIL-STD-245-47001 & MIL-STD-188-220
   c. Automated Digital Network System (ADNS)

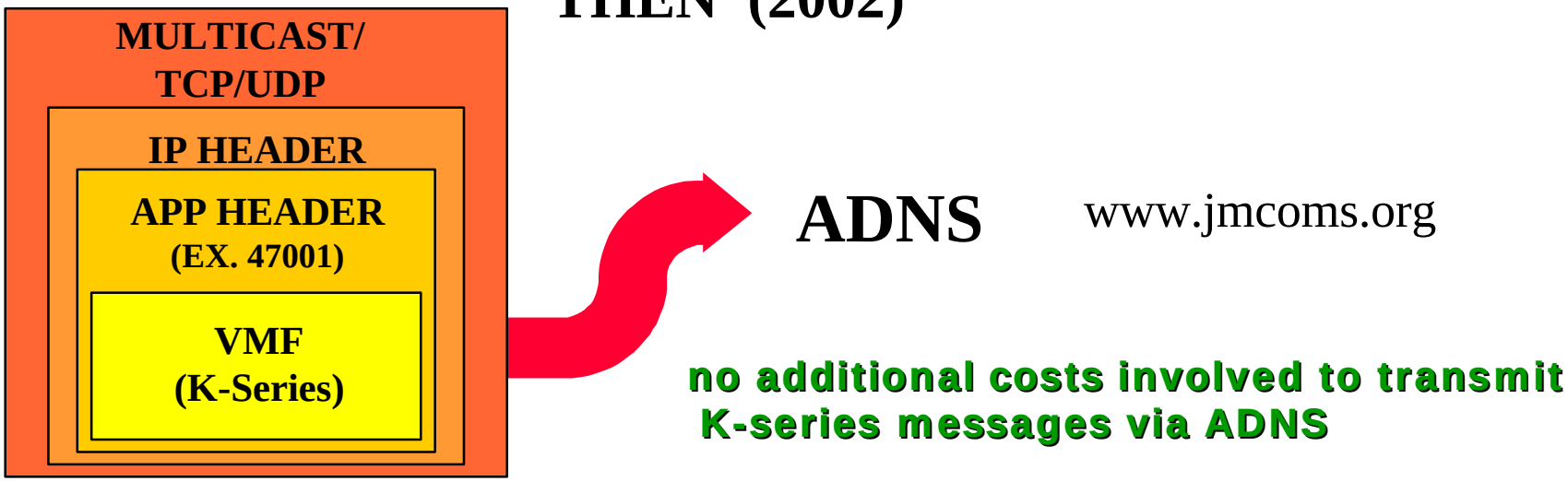
2. Systems Interface

# TRANSPORTATION

## NOW

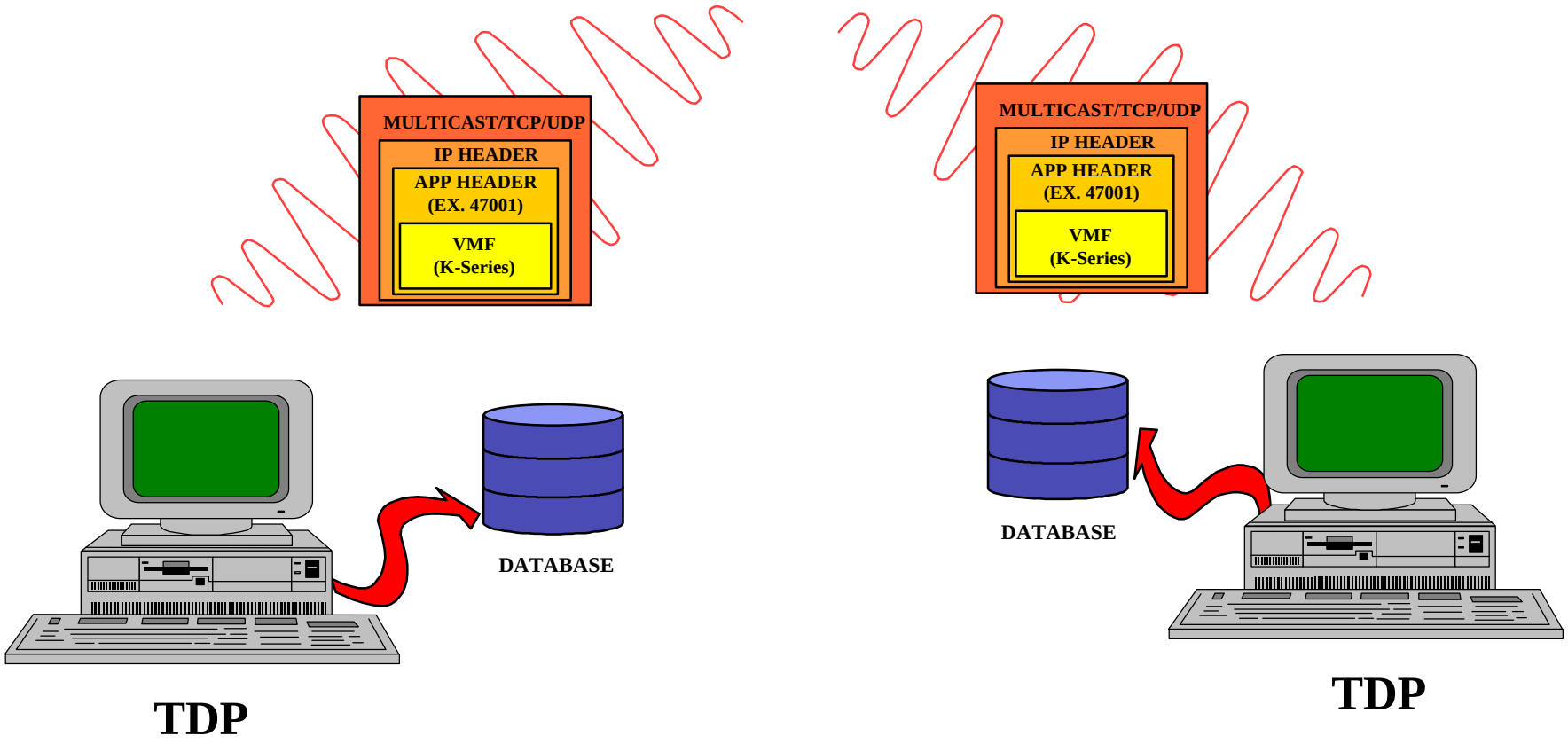



## THEN (2002)




**no additional costs involved to transmit K-series messages via ADNS**

# SYSTEMS INTERFACE



# NAVY'S USE OF MIL-STD-245-47001

- **OTG Migration IPT must review standard**
- **Will bring proposed changes, if any, to CNR WG for resolution**

# Standard Attribute Reference

## (Briefing)

# STAR

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E-mail: srhodes@nosc.mil

# STAR

**(Briefing)**

- Provides common naming convention for naval & merchant vessels.

  **Example: USS John F. Kennedy**

  **STAR Name: Kennedy JF**

- History
  - Used to be paper based (naval only)
  - In '95, distro'd electronically (naval & merchant) (DOS Based FoxPro)

# STAR
**(Briefing)**

- Updated as Beta Version for NATO exercise in Jan ‘98 (Win 3.1/NT FoxPro)
- Coordinating with SPAWAR for incorporation in JMCIS

# 1998 NCTSI MTF MEETING SCHEDULE

| MEETINGS | DATES | AGENDA SUBMISSION | AGENDA DISTRO | MINUTES DISTRO |
|---|---|---|---|---|
| 98-1 OIRG-MTF (VTC) | 17 APR 98 | 28 JAN 98 | 11 MAR 98 | 22 MAY 98 |
| 98-2 TISG-MTF | 18 JUN 98 | 06 MAR 98 | 30 APR 98 | 17 JUL 98 |
| 98-2 OIRG-MTF | 21- 22 OCT 98 | 24 JUL 98 | 21 AUG 98 | 24 NOV 98 |

# Agenda Item 97-019

## (Briefing)

### OVERLAY 3 Line Type and Color Fields Revision

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# Agenda Item 97-019
# (Briefing)

- OBJECTIVES
  - To eliminate ambiguity in the XSYMB set between field 2 (Symbol) and field 7 (Line Type) and field 8 (Line Color).
  - To eliminate ambiguity in the XRSYM set between field 3 (Symbol) and field 8 (Line Type) and field 9 (Line Color).

# Agenda Item 97-019
## (Briefing)

- Discussion:
- OIRG 97-2 approved; IMPL: 01 OCT 98
- XRSYM Set: fld 3 (Symbol) pre-defined in Tables 5-8/5-10 wrt line type making fld 8 (Line Type) unnecessary. **TISG 98-1 recommended to delete vice spare fld 8**.

# Agenda Item 97-019
# (Briefing)

- XSYMB Set: fld 2 (Symbol) pre-defined in Tables 5-8/5-10 wrt line type making fld 7 (Line Type) unnecessary. **TISG 98-1 recommended to delete vice spare field 7.**

# Agenda Item 97-023

## (Briefing)

**All OTG Messages Require a Sponsor for Validation**

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# Agenda Item 97-023
## (Briefing)

- All OTG messages require a command/activity for sponsorship to remain valid.
- Due to constraints on format types available as well as migration to VMF

Adopted OTH-T Communication Format Types. (Table 3-1)

| 8 Bit 2 Digit (Note 1) | 8 Bit 3 Digit (Note 1) | 16 Bit 4 Digit (Note 1) | Format | Message/Data Standard Reference |
|---|---|---|---|---|
| 00 | 00 | 20 | ACK/NAK | OTH-T COMM SPEC |
| 01 | 01 | 21 | MISSION DATA | IDS-9 |
| 02 | 02 | 22 | OTG CONTACT REPORT | OS-OTG (Note 2) |
| 03 | 03 | 23 | OTG OPNOTE | OS-OTG |
| 04 | 04 | 24 | MISSION FOLDER UPDATE DATA | IDS-9 |
| 05 | 05 | 25 | SPECIAL MISSION DATA TYPE 1 | IDS-9 |
| 06 | 06 | 26 | SPECIAL MISSION DATA TYPE 2 | IDS-9 |
| 07 | 07 | 27 | SPECIAL MISSION DATA TYPE 3 | IDS-9 |
| 08 | 08 | 28 | OTG PIMTRACK | OS-OTG |
| 09 | 09 | 29 | ENHANCED CONTACT REPORT | OS-OTG |
| 0A | 0A | 2A | SPECIAL BROADCAST | OS OTG (Note 3) |
| 0B | 0B | 2B | GPS ALMANAC DATA | JCM 2087 Appendix A |
| 0C | 0C | 2C | OTG FOTC SITREP | OS-OTG |
| 0D | 0D | 2D | OTG ROTHR | OS-OTG (Note 4) |
| 0E | OE | 2E | OTG OVERLAY 1 | OS-OTG |
| 0F | 0F | 2F | OTG OVERLAY 2 | OS-OTG |
| 10 | 10 | 30 | EWRL | OPNAVINST 3430.23C |
| 11 | 11 | 31 | OTG SATELLITE | OS-OTG |
| 12 | 12 | 32 | OTG GRIDFLD | OS-OTG/WMO (Vol I) |
| 13 | 13 | 33 | OTG AREA OF INTEREST FILTER | OS-OTG |
| 14 | 14 | 34 | OVERLAY 3 | OS-OTG |
| 15 | 15 | 35 | PING | OS-OTG |
| 16 | 16 | 36 | SEARCH Pattern Report | OS-OTG |
| 17 | 17 | 37 | USMTF MESSAGES | JOINT PUB 6-04 (Note 5) |
| 18 | 18 | 38 | OTG FORMATION | OS-OTG (Note 6) |
| 19 | 19 | 39 | USMTF LOCATOR | JOINT PUB 6-04 |
| 1A | 1A | 3A | ATO COMPRESSED | JOINT PUB 6-04 |
| 1B | 1B | 3B | WMO Binary | N/A |
| 1C | 1C | 3C | USMTF TACELINT | JOINT PUB 6-04 |
| 1D | 1D | 3D | SUBMARINE DATA | JOINT PUB 6-04 (Note 7) |
| 1E | 1E | 3E | OTG DEVELPMENTAL | OS-OTG (Note 8) |
| 1F | 1F | 3F | NON OTG DEVELOPMENTAL | None (Note 9) |

Note 1. Satellite Link Protocols for TADIXS A and OTCIXS will only support a Format Type range of 0-3F (Base 16).
Note 2. Contact reports also include BGDBM Track Management Sets and JUNIT REPORT.
Note 3. This broadcast is reserved for ashore installations. Data consists of message sets from the OS-OTG.
Note 4: OTG MTFs are ROTHRSREQ, ROTHRSTAT, and ROTHRTASK.
Note 5. USMTFs found in JOINT PUB 6-04, excluding LOCATOR and TACELINT, shall use this format type.
Note 6. OTG message types are SCREEN KILO and 4WHISKEY.
Note 7. Examples of this data include SUB NOTES.
Note 8. ALL OS-OTG developmental MTFs or messages that contain developmental line sets shall use this format. Permanent format types will be assigned when a developmental MTF transitions to an approved MTF.
Note 9. This format type shall be used for systems wishing to transfer developmental messages. Examples include Data that is not in a developmental OTG or USMTF section, compressed ASCII data, or binary encoded data.

| MSG | SPONSOR |
|---|---|
| 02 | CPF, CLF, CNE |
| 03 | CPF, CLF, CNE |
| 08 | CPF, CLF, CNE |
| 09 | **( Future Growth/ Enhanced Contact Report)** |
| 0A | CPF, CLF, CNE |
| 0C | CPF, CLF, CNE |
| 0D | **(OTG Rother)** |
| 0E | CPF, CLF, CNE |
| 0F | CPF, CLF. CNE |
| 11 | CPF, CLF |
| 12 | CPF, CLF |
| 13 | CPF, CLF, CNE |
| 14 | CPF, CLF, CNE |
| 15 | CNE |
| 16 | **(Future Growth/Search Pattern Report)** |
| 18 | CPF, CLF, CNE |
| 1E | **(OTG Developmental)** |

# Agenda Item 98-001

## (Briefing)

## Character-Ambiguous FFIRNs

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# Agenda Item 98-001
## (Briefing)

- **MIL-STD-6040 has character - ambiguous FFIRNs**
- **Consists of multiple elemental FFIRNs of variable length with similar character types**

# Set / Field Example

**TYPE OF REPORT FOR SPECIFIC AREA**

**TYP/_____/_____//**

**1 SENSOR SUBTYPE REPORT TYPE** **2 MAP REFERENCE**

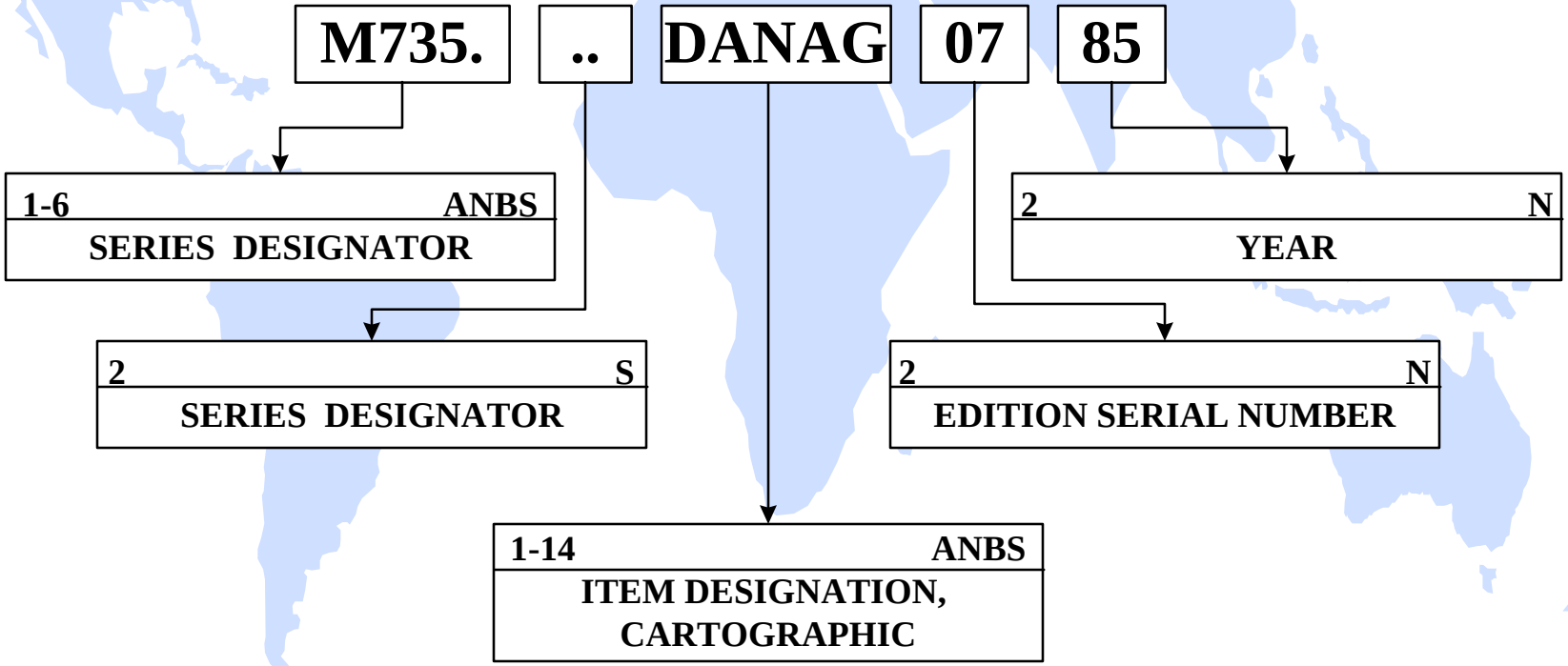
**M [ 3 A ]** **M [ 8 / 28 ]**

**EXAMPLE: TYPE/NOT/M735...DANAG0785//**

**SET**

**COMPOSITE FIELD**

# Composite Field (Map Reference) Breakdown



# Proposed Solutions

| M735. | @ | DANAG | 07 | 85 |
|---|---|---|---|---|

OR

| M735 | .. | DANAG | 07 | 85 |
|---|---|---|---|---|

**No Special Characters Allowed**

# Agenda Item 98-002

## Automation of U.S. Navy CM Meetings: Electronic Voting

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# Agenda Item 98-002

## Background

- 8-10 Oct 97, Harmonization Tiger Team: Results endorsed by J6, CNO N62, CCB reps
- 10 Feb 94, 1st OIRG-VTC: Navy OIRG-MTF went to one meeting per year in Oct (TADIL)
- JMCIS Local CCBs - all electronic voting

# Agenda Item 98-002

- **Problem:** Austerity in all C/S/A's require a more efficient CM process. Operators require faster turnaround for changes.
- **Immediate Goal:** Transition to electronic CM, 90-day turnaround for operators.
- **Long term Goal:** Move to creation of single database (USMTF / NATO) & Unified Single Message Standard.

# Agenda Item 98-002

## Results of Tiger Team meeting

- Endorsed by CNO, J6, USMTF CCB reps
- Goals Established:
  - Stop paper distribution
  - Eliminate one TISG per year
  - Move items to the web
  - Mirror CCB/TRP actions electronically
  - Improve timely response to FLEET

# Agenda Item 98-002

- Accelerate & Automate Navy CM Agenda IAW USMTF CCB/TRP (electronic policy): See JIEO Circular 9153 of July 97.
- JIEO CFS website: www-usmtf.itsi.disa.mil
- Navy agenda items distributed by website: webix.nosc.mil/nctsi/n5
- Possible future TISG/OIRG-MTF: Combined meeting this year (21-22 Oct '98) with the OIRG-TADIL (19-20 Oct '98)

# Agenda Item 98-003

## (Briefing)

## Earth Models

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# Agenda Item 98-003
## (Briefing Item)

- ADM Gauss has requested info from you...
- What earth models are being used in each Navy C4ISR system?
- The revision to this agenda item clarified the issue and requested answers to pertinent aspects.